

Actual power generation of wind farms over the years



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Wind Farms through the Years

Data provided by the EIA. The number of homes powered is estimated through conversion factors provided by the EIA. Committed to Restoring America's Energy Dominance.

U.S. Wind Turbine Database

The United States Wind Turbine Database (USWTDB) provides the locations of land-based and offshore wind turbines in the United States, corresponding wind project information, and turbine technical



Wind power in the United States

Variations in wind speed result in variations in power output from wind farms, which poses difficulties incorporating wind power into an integrated power system.

[Power Generated By One Wind Turbine: Output, Cost.](#)

Learn how much power generated by one wind turbine really is, from daily and yearly output to homes powered and real U.S. wind energy facts.



[WWEA Annual Report 2023: Record Year for Windpower](#)

Countries like Denmark, leading with 56% of its



The Wind Power

Our database provides direct and immediate access to information about regions, countries, manufacturers, types and numbers of turbines, hub heights, MWs/GWs, developers, operators,

electricity generated from wind, alongside Germany, the Netherlands, Portugal, the UK, and Uruguay, demonstrate the potential and



[U.S. wind generation hit record in April 2024, exceeding coal-fired](#)

Installed wind power generating capacity has increased substantially in the United States over the last 25 years, growing from 2.4 gigawatts (GW) in 2000 to 150.1 GW in April 2024.

[PLUSWIND: A new hourly wind speed and generation database for US wind](#)

The repository (called PLUSWIND) is publicly available and contains hourly wind speed and generation estimates covering 2018 - 2021 for existing wind plants located within the contiguous



[A database of hourly wind speed and modeled generation for US wind](#)

The repository contains wind speeds and generation based on three different meteorological models: ERA5, MERRA2, and HRRR. Data are publicly accessible in simple csv files.



Wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this



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